

ABSTRACT OF THE DISCLOSURE **ETCHED CIRCUIT FOR LIGHTNING PROTECTION**

The disclosure relates to the lightning protection of the transmitters in a transmission system. An etched circuit with lightning protection comprises at least one main line connected to a connector adapted to the output of the transmission antenna of the transmission system working at a fixed frequency f_0 or in a narrow frequency band Δf_0 , the circuit comprising a capacitor, wherein said circuit comprises at least one first line with a length l_1 and a width that may or may not be constant, connected to said connector and terminated by a short-circuit forming an open circuit with respect to the main line. This circuit also carries out the harmonic filtering function, thus increasing compactness by using a single circuit for both functions. This device can also be applied to any field requiring either or both of these functions.

[Figure 5]